

```

1      catggaaatcttgtgtttgtagGTGTGTGTCCACCGAGGCACCATCTACectGTGGGCCA
61     GTTCTGGGAGGAGGCCTGTGACGTGTGCACCTGCACGGACTTGGAGGACTCTGTGATGGG
121    CCTGCGTGTGGCCCATGTCTCCAGAAAGCCCTGTGAGGACAACCTGCCTGTCGgtaaagggg
181    agcagagggggctggggcactgcttgagcaggcaagggacacactggggggagtgggggttc
241    tgggaaggggcaagagagacccttgagYaatttctggttcaggggccagagatgaggggaag
301    gagaggact (SEQ ID NO:1)

```

**Intron 42**

**Exon 43**

CGCGTGGCCAGTGCTCCCAGAAGCCCTGTGAGGACAGCTGTCGGTcgtgagtggggc- HUMAN VWF  
|| || || || || || || || || || || || || || || || || || || || || ||  
CGTGTGGCCAGTGCTCCCAGAAGCCCTGTGAGGACAATGCCTGTcgttaagqgggaqca CANINE VWF

## Intron 43

```

-agggggctgggca HUMAN VWF (SEQ ID NO:10)
 |||||
gaggggctgggca CANINE VWF (SEQ ID NO:11)

```

107088254

## FIGURE 3.

A

## FORWARD PRIMER

5' CATGGAAATCTTGTGTTTGTAG 3'  
1 catggaaatcttgtgtttgtagGTGTGTGTCCACCGAGGCACCATCTACCCTGTGGGCCA  
61 GTTCTGGGAGGAGGCCTGTGACGTGTGCACCTGCACGGACTTGGAGGACTCTGTGATGGG  
121 CCTGCGTGTGGCCCAGTGCTCCCAGAAGCCCTGTGAGGACAACCTGCCTGTCAgtaagggg  
3' TATTCCCC  
181 agcagaggggctgggcaactgcctggagc  
TCGTCTCCCCGTCCCGT 5'

## REVERSE PRIMER

B

<u>TaqI</u>	
TGCCTGT <u>CGA</u> Taagggg	wild type PCR product- cuts with TaqI
TGCCTGT <u>CAA</u> Taagggg	mutant PCR product-does not cut with TaqI
EXON43      intron 43	

FIG. 4

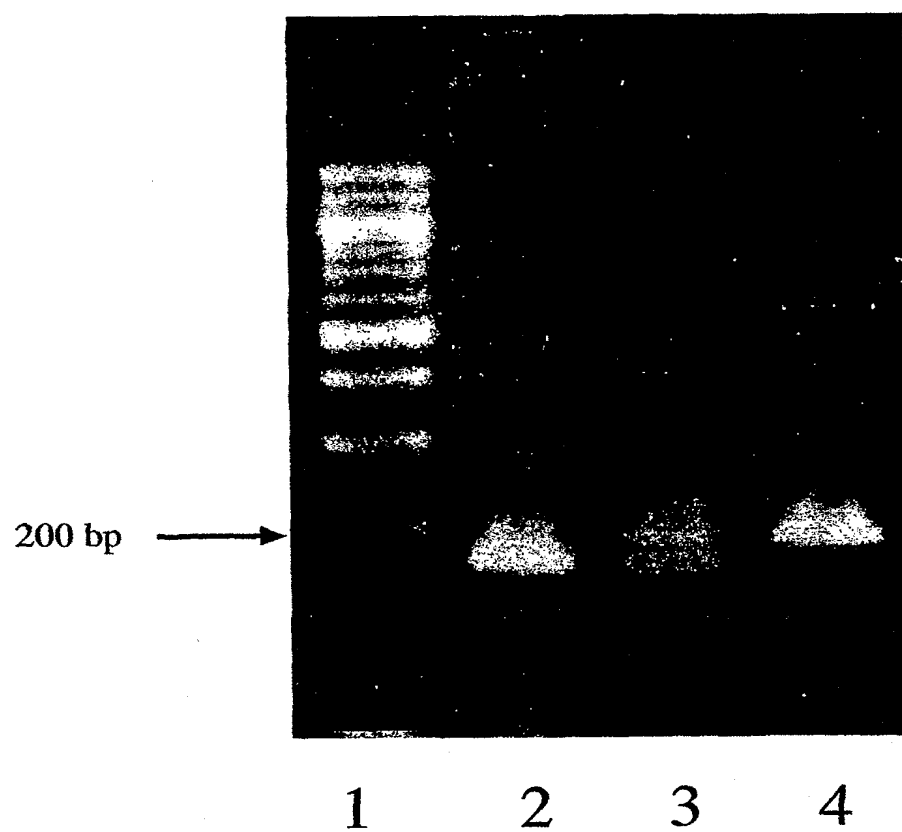


FIGURE 5

## INTRON 6

gateccccctgctgctgctgtccagagaccctgggctctgcatgtcagggctcagtcctgg  
61 gaagtaacttttagtctccagccacttcttgagcatgagttcaacatctgtgctttgatgg  
121 atacactgtttaatttgacaaatgttgacaagcacctaccgggtgcctatgtgatggagc  
181 ttccttggttttctctggcggggctggctctccacggagccacattcaggagggcactaat  
241 ccaacgcactgtcagagcaggggctgcatgggtgctgtcctcactgcctggcttctcgttc

## EXON 7

301 ctgcagGTCCTGTGGGA~~SCAGTGCCAGC~~TCCTGAAGAGTGCCTCGGTGTTTGCCCGCTGC  
361 CACCCGCTGGTGGACCTTGAGCC~~TTT~~TGTGCGCCCTGTGTGAAAGGACTCTGTGCACCTGT  
421 GTCCAGGGGATGGAGTGCCTTGTGCGGTCCTCCTGGAGTACGCCCCGGCCTGTGCCAG  
481 CAGGGGATGTCTTGTACGGCTGGACCGACCACAGCGTCTGCCgtaagtcagtgggccac  
541 gctcccagctggggctgagtgctgtctgtcctggggtgtcccaggggaagcccttgggct  
601 ~~gtgtcaccatcctggacctt~~tgccacaccccaactggccagtgccacagggccgattgt  
661 gcctgggccacctgatcctgcaggaacgagaagccaggcagtgaggacagcacccatgca  
721 gccctggctcgacagtgcggttgattagtgccctcctgaatgtggctccgtggagagcca  
781 gccccgccaggaaaaccagggaagctccatcacataggcaccgggtaggtgcttgtcaac  
841 atttgtcaaattaaacagYtgtatccatcaaagcacagatgttgaactcatgctacaaga  
901 agtggctggagactaaagttacttcccagactgagccctgaacatgcagagcccagggtc  
961 tctggacagcagcagcaggggggatc

## INTRON 7

FIG. 6

